

Converting Colors

XYZ(19.4839, 9.3944, 31.4156)

Have a look what the booklet for
XYZ(19.4839, 9.3944, 31.4156)
contains.

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Color

**XYZ(19.5647, 9.4444,
31.3636)**

Conversions

Conversions Part 1

Format	Color
Hex	9C029A
RGB	156, 2, 154
RGB Percent	61%, 1%, 60%
CMY	0.3882, 0.9921, 0.3961
CMYK	0.00, 0.99, 0.01, 0.39
HSL	301°, 97%, 31%
HSV	301°, 99%, 61%
XYZ	19.5647, 9.4444, 31.3636
YIQ	65.3740, 42.9920, 79.9200

Conversions

Conversions Part 2

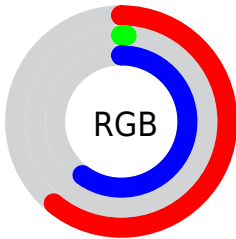
Format	Color
RYB	156, 2, 154
Decimal	10224282
CIELab	36.83, 67.52, -41.00
CIElCh	37, 78.998, 328.731
Yxy	9.4444, 0.3241, 0.1564
Android (android.graphics.Color)	4288414362 (0xFF9C029A)
YUV	65.3740, 43.6926, 79.4790
Hunter-Lab	30.7317, 59.8576, -38.9968

Details

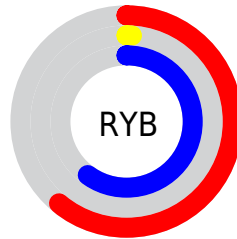
The XYZ color **19.5647, 9.4444, 31.3636** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **11.9358, 23.7990, 4.0799**, and the grayscale version is **5.0136, 5.2747, 5.7441**.

A 20% lighter version of the original color is **42.1826, 24.7845, 62.8822**, and **7.6538, 3.6686, 12.8751** is the 20% darker color. If you saturate the color by 10%, you get **19.5410, 9.4002, 31.3450**, and if you desaturate by 10%, it is **19.7702, 9.8281, 31.5155**.

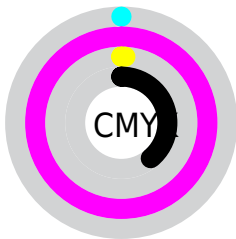
Distribution



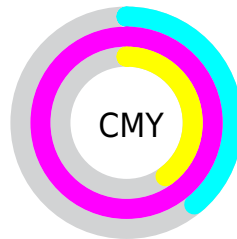
- Red (61%)
- Green (1%)
- Blue (60%)



- Red (61%)
- Yellow (1%)
- Blue (60%)



- Cyan (0%)
- Magenta (99%)
- Yellow (1%)
- Black (39%)



- Cyan (39%)
- Magenta (99%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5647, 9.4444, 31.3636 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 19.5647, 9.4444, 31.3636 by changing the saturation by 10% instead.

■ 19.5647, 9.4444,
31.3636

■ 19.5647, 9.4444,
31.3636

242.4275,
186.6594, 322.6129

■ 12.1854, 5.0322,
20.6151

■ 42.1957, 24.7451,
62.8983

■ 6.9432, 2.2661,
12.6544

■ 58.1781, 36.4023,
84.5217

■ 3.4726, 0.7557,
7.0631

■ 77.7590, 51.2434,
110.6070

■ 1.4083, 0.0000,
3.4226

■ 101.3037, 69.6526,
141.5729

■ 0.2622, 0.0000,
1.3142

■ 129.1775, 92.0144,
177.8379

■ 0.0000, 0.0000,
0.0734

■ 161.7459,

■ 0.0000, 0.0000,

118.7132, 219.8205

0.0000

199.3741,
150.1334, 267.9393

■ 19.5647, 9.4444,
31.3636

■ 19.5647, 9.4444,
31.3636

■ 19.5410, 9.4002,
31.3450

■ 19.7702, 9.8281,
31.5155

■ 20.1269, 10.5143,
31.7179

■ 20.6846, 11.6026,
31.9875

■ 21.4679, 13.1420,
32.3323

■ 22.4978, 15.1746,
32.7596

■ 23.7929, 17.7376,
33.2753

■ 25.3701, 20.8646,
33.8853

■ 27.2448, 24.5866,
34.5945

■ 29.4313, 28.9323,
35.4078

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.2584, 9.4444, 56.1170



19.5647, 9.4444, 31.3636



21.9319, 9.4444, 10.8876

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.5647, 9.4444, 31.3636



9.1852, 9.4444, 0.0000



3.0235, 9.4444, 29.2536

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.5647, 9.4444, 31.3636



11.9358, 23.7990, 4.0799

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2.5012, 9.4444, 9.7019



19.5647, 9.4444, 31.3636



5.1928, 9.4444, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.5647, 9.4444, 31.3636



14.7520, 9.4444, 0.0000



3.1248, 9.4444, 1.7089



4.9479, 9.4444, 54.2997

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.5647, 9.4444, 31.3636



21.0505, 9.4444, 3.8619



3.1248, 9.4444, 1.7089



2.7172, 9.4444, 21.4912

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.5651, 9.4448, 31.3638



45.4982, 36.7439, 61.3223



6.0479, 2.4571, 31.6084



9.7606, 7.5875, 13.3968



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.5651, 9.4448, 31.3638



35.4856, 17.0709, 56.8989



15.1439, 7.6764, 8.0821



6.9004, 6.7531, 8.3269



16.0967, 7.7432, 25.8239



0.2889, 0.1389, 0.4673

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.5651, 9.4448, 31.3638



35.4856, 17.0709, 56.8989



13.3254, 24.3548, 11.3973



6.9004, 6.7531, 8.3269



16.0967, 7.7432, 25.8239



0.2889, 0.1389, 0.4673

Previews

White Background



This preview shows how the XYZ color 19.5647, 9.4444, 31.3636 looks on a white background.

Color Contrast Check

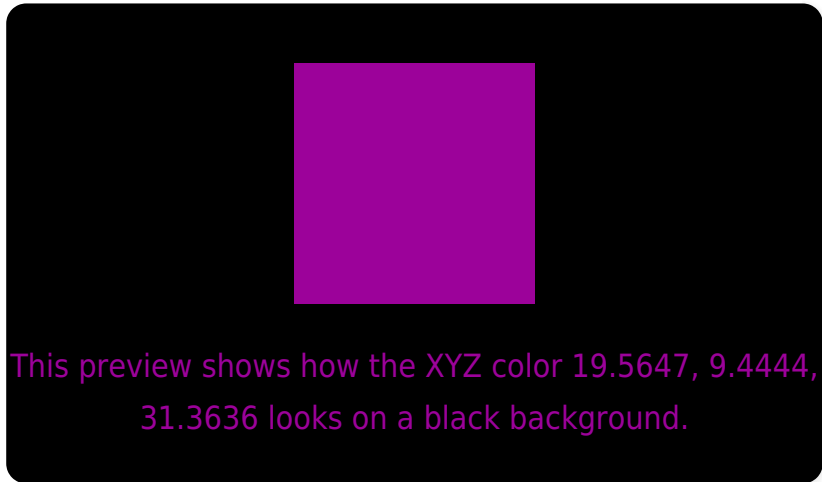
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

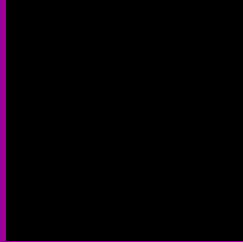
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5647, 9.4444, 31.3636

Background



This preview shows how black text looks on a background with the XYZ color 19.5647, 9.4444, 31.3636.



This preview shows how white text looks on a background with the XYZ color 19.5647, 9.4444,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.5647, 9.4444, 31.3636

Protanopia

11.7713, 10.0330, 45.5721

Deuteranopia

10.2588, 10.0013, 28.1778



Tritanopia

14.3953, 9.7129, 5.9665

Trichromacy



Original Color

19.5647, 9.4444, 31.3636

Protanomaly

10.4999, 6.5808, 39.7465

Deuteranomaly

11.2221, 7.3397, 28.8422

Tritanomaly

15.4609, 8.7981, 12.1926

Monochromacy



Original Color

19.5647, 9.4444, 31.3636

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.0226, 5.1157, 11.8738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5647, 9.4444, 31.3636 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(156, 2, 154)` looks like.

```
.text, #text, p{  
    color:rgb(156, 2, 154)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(156, 2, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 2, 154) }
```

Border

The CSS property to change the border of an element to XYZ 19.5647, 9.4444, 31.3636 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 2, 154) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(156, 2, 154) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(156, 2, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 2, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 2, 154);  
box-shadow:4px 4px 4px 4px rgb(156, 2,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5647, 9.4444, 31.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 2, 154) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(156, 2,  
154) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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